

# SEQUENCE LISTING

<110> Rabbani, Elazar  
 Stavrianopoulos, Jannis G.  
 Donegan, James J.  
 Liu, Dakai  
 Kelker, Norman E.  
 Engelhardt, Dean L.



<120> NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING  
 COMPOSITIONS FOR THERAPEUTIC AND DIAGNOSTIC USE

<130> ENZ-53(D1).081299

<140> 08/978,633  
 <141> 1997-11-25

<160> 51

<170> PatentIn Ver. 2.0

<210> 1  
 <211> 20  
 <212> PRT  
 <213> Influenza virus

<220>  
 <223> Description of Artificial Sequence:peptide

<400> 1  
 Gly Phe Phe Gly Ala Ile Ala Gly Phe Leu Glu Gly Gly Trp Glu Gly  
 1 5 10 15  
 Met Ile Ala Gly  
 20

<210> 2  
 <211> 20  
 <212> DNA  
 <213> Bacteriophage T7

<220>  
 <223> Description of Artificial Sequence:peptide  
 <400> 2  
 tgctctctaa gggctctactc

RECEIVED  
 TECH CENTER 1000/2990  
 99 AUG 25 PM 2:07  
 GROUP 180

<210> 3  
<211> 15  
<212> DNA  
<213> Simian virus 40

<220>  
<223> Description of Artificial Sequence:peptide

<400> 3  
ctctaaggta aatat 15

<210> 4  
<211> 16  
<212> DNA  
<213> Simian virus 40

<220>  
<223> Description of Artificial Sequence:peptide

<400> 4  
tgtatttttag attcaa 16

<210> 5  
<211> 19  
<212> DNA  
<213> Simian virus 40

<220>  
<223> Description of Artificial Sequence:peptide

<400> 5  
tgctctctaa ggtaaatat 19

<210> 6  
<211> 19  
<212> DNA  
<213> Simian virus 40

<220>  
<223> Description of Artificial Sequence:peptide

<400> 6  
tgtatttttag ggtctactc 19

<210> 7  
<211> 19  
<212> RNA  
<213> Bacteriophage T7

B9  
Cont.

<220>

<223> Description of Artificial Sequence:peptide

<400> 7

ugcucucuaa gguaauau

19

<210> 8

<211> 19

<212> RNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 8

uguauuuuag ggucuacuc

19

<210> 9

<211> 20

<212> RNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 9

ugcucucuaa gggucuacuc

20

<210> 10

<211> 49

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 10

ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgc

49

<210> 11

<211> 55

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

B9  
Cont

<400> 11  
gactagttgg tctcgtctct tttttggagg agtgctggtc ttagcgatgt taatc 55

<210> 12  
<211> 46  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 12  
ggaattcgtc tcggagaaag gtaaaattct ctgacatcga actggc 46

<210> 13  
<211> 33  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 13  
gactagtggc ctccccttag agagcatgtc agc 33

<210> 14  
<211> 33  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 14  
ggaattcggc ctcgggtcta ctcggtggcg agg 33

<210> 15  
<211> 27  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 15  
gactagtcgt tacgcgaacg caaagtc 27

<210> 16

B9  
Cont

<211> 36  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 16  
ggaattcgtc tctaaggtaa atataaaatt tttaag 36

<210> 17  
<211> 40  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 17  
gactagtcgt ctctgaccct aaaatacaca aacaattaga 40

<210> 18  
<211> 92  
<212> DNA  
<213> Bacteriophage T7

<220>  
<223> Description of Artificial Sequence:peptide

<400> 18  
ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60  
ctcctccaaa aaagagacga gaccaactag tc 92

<210> 19  
<211> 92  
<212> DNA  
<213> Bacteriophage T7

<400> 19  
gactagttgg gctcgtctct tttttggagg aggggcgttc ttagcgatgt taatcgtgtc 60  
catggtggta tgcagagctc gagacgaatt cc 92

<210> 20  
<211> 73  
<212> DNA  
<213> Artificial Sequence

<220>

B9  
Cont

<223> Description of Artificial Sequence:OLIGO

<400> 20

ggaattcgtc gcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60  
ctcctccaaa aaa 73

<210> 21

<211> 77

<212> DNA

<213> Bacteriophage T7

<220>

<223> Description of Artificial Sequence:peptide

<400> 21

tctctttttt ggaggagtgt cggtcttagc gatgttaatc gtgtccatgg tggatatgcag 60  
agctcgagac gaattcc 77

<210> 22

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial SequenceOLIGO

<400> 22

ggaattcgtc tcg 13

<210> 23

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:OLIGO

<400> 23

gagaaaggta aaattctctg acatcgaact ggc 33

<210> 24

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:OLIGO

B9  
Cont.

<400> 24  
 ccttaagcag agcctct 17

<210> 25  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: OLIGO

<400> 25  
 ttccatttta agagactgta gcttgaccg 29

<210> 26  
 <211> 106  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:OLGIO

<400> 26  
 ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60  
 ctctctcaaa aaagagaaag gtaaaattct ctgacatcga actggc 106

<210> 27  
 <211> 106  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:OLIGO

<400> 27  
 gccagttcga tgtcagagaa ttttaccttt ctcttttttg gaggagtgtc gttcttagcg 60  
 atgttaatcg tgtccatggt ggtagtcaga gctcgagacg aattcc 106

<210> 28  
 <211> 50  
 <212> DNA  
 <213> Bacteriophage T7

<220>  
 <223> Description of Artificial Sequence:peptide

<400> 28  
 atggacacga ttaacatcgc taagaacgac ttctctgaca tcgaactggc 50

B9  
Cont

<210> 29  
<211> 50  
<212> DNA  
<213> Bacteriophage T7

<400> 29  
gccagttcga tgtcagagaa gtcgttctta gcgatgttaa tcgtgtccat 50

<210> 30  
<211> 77  
<212> DNA  
<213> Human immunodeficiency virus

<220>  
<223> Description of Artificial Sequence:peptide

<400> 30  
atggacacga ttaacatcgc taagaacgac actcctccaa aaaagagaaa ggtaaaattc 60  
tctgacatcg aactggc 77

<210> 31  
<211> 77  
<212> DNA  
<213> Bacteriophage T7

<400> 31  
gccagttcga tgtcagagaa ttttaccttt ctcttttttg gaggagtgtc gttcttagcg 60  
atgttaatcg tgtccat 77

<210> 32  
<211> 69  
<212> DNA  
<213> Human immunodeficiency virus

<220>  
<223> Description of Artificial Sequence:peptide

<400> 32  
gatcattaga ccagatctga gcctgggagc tctctggcta actagggaac ccaactgctta 60  
agcctcaag 69

<210> 33  
<211> 69  
<212> DNA  
<213> Human immunodeficiency virus

<220>

B9  
cont



<223> Description of Artificial Sequence:peptide

<400> 33

gatccttgag gcttaagcag tgggttcctt agttagccag agagctccca ggctcagatc 60  
tggctctaat 69

<210> 34

<211> 61

<212> DNA

<213> Human immunodeficiency virus

<220>

<223> Description of Artificial Sequence:peptide

<400> 34

gatcacctta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60  
g 61

<210> 35

<211> 61

<212> DNA

<213> Human immunodeficiency virus

<220>

<223> Description of Artificial Sequence:peptide

<400> 35

gatccttgag gaggtcttcg tcgctgtctc cgcttcttcc tgccatagga gaggcctaagg 60  
t 61

<210> 36

<211> 62

<212> DNA

<213> Human immunodeficiency virus

<220>

<223> Description of Artificial Sequence:peptide

<400> 36

gatcatagtg aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacctccc 60  
ag 62

<210> 37

<211> 62

<212> DNA

<213> Bacteriophage T7

<220>

B9  
Cont

<223> Description of Artificial Sequence:peptide

<400> 37

gatcctggga ggtgggtctg aaacgataat ggtgagtatc cctgcctaac tctattcact 60  
at 62

<210> 38

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 38

aatctagagc taacaaagcc cgaaaggaag 30

<210> 39

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 39

ttctgcagat atagttcctc ctttcagc 28

<210> 40

<211> 70

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 40

tcgagccatg gcttaaggat ccgtacgtcc ggagctagcg ggcccatcga tactagttaa 60  
atgcagatct 70

<210> 41

<211> 70

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

B9  
Cont

<400> 41  
ctagagatct gcatttaact agtatcgatg ggcccgctag ctccggacgt acggatcctt 60  
aagccatggc 70

<210> 42  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 42  
catgaaatta attcgactca ctatacggg 29

<210> 43  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 43  
tttaattaag ctgagtgata tgcctctag 29

<210> 44  
<211> 72  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 44  
gatccggatt gaggtttaag cagtgggttc cctagtttagc cagagagctc ccagggtcag 60  
atctggtcta at 72

<210> 45  
<211> 72  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:oligo

<400> 45  
ccggattaga ccagatctga gcctgggagc tctctggcta actagggaac ccactgctta 60

B9  
Cont

agcctcaatc cg

72

<210> 46

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 46

gatccggacc ttgaggaggt cttcgtcgct gtctccgctt cttcctgcca taggagagcc 60  
taaggt 66

<210> 47

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 47

ccggacctta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60  
ggtccg 66

<210> 48

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 48

gatccggatg ggaggtgggt ctgaaacgat aatggtgagt atccctgcct aactctattc 60  
actat 65

<210> 49

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 49

ccggatagtg aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacctccc 60

39  
Cont

atccg

65

<210> 50

<211> 67

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:oligo

<400> 50

gatcagcatg cctgcaggtc gactctagac ccgggtaccg agctcgccct atagtgagtc 60  
gtattat 67

<210> 51

<211> 67

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:peptide

<400> 51

ccggataata cgactcacta tagggcgagc tcggtaccg ggtctagagt cgacctgcag 60  
gcatgct 67